

**CLAIMS**

We claim:

- 1 1. A method of deploying components of a site between systems in a portal  
2 framework, the method comprising the steps of:  
3       storing assets of a component of a site designated for export as an export file;  
4       transferring the export file to a system at a remote location; and  
5       extracting the assets of the component from the export file to a plurality of  
6 location on the system at the remote location;  
7       wherein the assets include file assets and non-file assets configured to  
8 operate on the system at the remote location.
- 1 2. The method according to claim 1, further comprising collecting the assets of the  
2 designated component.
- 1 3. The method according to claim 2, further comprising querying a local system to  
2 identify the component designated for export.

1 4. The method according to claim 2, wherein collecting the assets further  
2 comprises constructing the non-file assets as an extensible markup language  
3 fragment with a predetermined structure.

1 5. The method according to claim 4, further comprising parsing the extensible  
2 markup language fragment.

1 6. The method according to claim 5, further comprising instantiating the non-file  
2 assets.

1 7. The method according to claim 1, wherein the non-file assets include at least one  
2 of: a permissions object, a user preference object, a settings object, a menu object,  
3 and a user group object.

1 8. A method of exporting components of a site to a system at a remote location in a  
2 portal framework, the method comprising the steps of:

3 collecting assets of a component of a site designated for export as an export  
4 file;

5 querying a local system to identify the component designated for export; and

6 storing the assets of the designated component;  
7 wherein the assets include file assets and non-file assets configured to  
8 operate on the system at the remote location.

1 9. The method according to claim 8, wherein collecting the assets further  
2 comprises constructing the non-file assets as an extensible markup language  
3 fragment with a predetermined structure.

1 10. The method according to claim 8, further comprising transferring the export file  
2 to a system at the remote location.

1 11. A method of importing components of a site to a system at a remote location in  
2 a portal framework, the method comprising the steps of:

3 extracting assets of a component from an export file of an exported site; and

4 storing the assets of the component to a plurality of location on the system at  
5 the remote location; and

6 wherein the assets include file assets and non-file assets configured to  
7 operate on the system at the remote location.

1 12. The method according to claim 11, further comprising transferring the export  
2 file to the system at the remote location.

1 13. The method according to claim 11, further comprising parsing an extensible  
2 markup language fragment including non-file assets.

1 14. The method according to claim 11, further comprising instantiating the non-file  
2 assets.

1 15. The method according to claim 11, wherein the non-file assets include at least  
2 one of: a permissions object, a user preference object, a settings object, a menu  
3 object, and a user group object.

1 16. A computer program product for deploying components of a site between  
2 systems in a portal framework, the computer program product comprising:  
3 a computer readable medium; and  
4 computer program instructions, recorded on the computer readable medium,  
5 executable by a processor, for performing the steps of:

6 storing assets of a component of a site designated for export as an  
7 export file;

8 transferring the export file to a system at a remote location; and

9 extracting the assets of the component from the export file to a  
10 plurality of location on the system at the remote location;

11 wherein the assets include file assets and non-file assets configured to  
12 operate on the system at the remote location.

1 17. The computer program product according to claim 16, further comprising  
2 computer program instructions for performing the step of collecting the assets of the  
3 designated component.

1 18. The computer program product according to claim 17, further comprising  
2 computer program instructions for performing the step of querying a local system to  
3 identify the component designated for export.

1 19. The computer program product according to claim 17, wherein collecting the  
2 assets further comprises constructing the non-file assets as an extensible markup  
3 language fragment with a predetermined structure.

1 20. The computer program product according to claim 19, further comprising  
2 computer program instructions for performing the step of parsing the extensible  
3 markup language fragment.

1 21. The computer program product according to claim 20, further comprising  
2 computer program instructions for performing the step of instantiating the non-file  
3 assets.

1 22. The computer program product according to claim 16, wherein the non-file  
2 assets include at least one of: a permissions object, a user preference object, a  
3 settings object, a menu object, and a user group object.

1 23. A computer program product for exporting components of a site to a system at a  
2 remote location in a portal framework, the computer program product comprising  
3 the steps of:  
4 a computer readable medium; and  
5 computer program instructions, recorded on the computer readable medium,  
6 executable by a processor, for performing the steps of:

7 collecting assets of a component of a site designated for export as an export  
8 file;  
9 querying a local system to identify the component designated for export; and  
10 storing the assets of the designated component;  
11 wherein the assets include file assets and non-file assets configured to operate on  
12 the system at the remote location.

1 24. The computer program product according to claim 23, wherein collecting the  
2 assets further comprises constructing the non-file assets as an extensible markup  
3 language fragment with a predetermined structure.

1 25. The computer program product according to claim 23, further comprising  
2 transferring the export file to a system at the remote location.

1 26. A computer program product for importing components of a site to a system at a  
2 remote location in a portal framework, the computer program product comprising  
3 the steps of:  
4 a computer readable medium; and

5 computer program instructions, recorded on the computer readable medium,  
6 executable by a processor, for performing the steps of:

7 extracting assets of a component from an export file; and

8 storing the assets of the component to a plurality of location on the  
9 system at the remote location; and

10 wherein the assets include file assets and non-file assets configured to  
11 operate on the system at the remote location.

1 27. The computer program product according to claim 26, further comprising  
2 transferring the export file to the system at the remote location.

1 28. The computer program product according to claim 26, further comprising  
2 instantiating the non-file assets.

1 29. The computer program product according to claim 26, wherein the non-file  
2 assets include at least one of: a permissions object, a user preference object, a  
3 settings object, a menu object, and a user group object.



1 30. A system for deploying components of a site between systems in a portal  
2 framework, the method comprising the steps of:  
3 a first deployment manager on a local system operable to export assets of a  
4 component of a site as an export file;  
5 a means for transferring the export file to a system at a remote location; and  
6 a second deployment manager on the system at the remote location operable  
7 import the assets of the component of the site from the export file to the system at  
8 the remote location;  
9 wherein the assets include file assets and non-file assets configured to  
10 operate on the system at the remote location.

1 31. The system according to claim 30, wherein the first deployment manager further  
2 includes a first component module operable to collect the assets of the designated  
3 component.

1 32. The system according to claim 31, wherein the first component module is  
2 further operable to query the local system to identify the component designated for  
3 export.

1 33. The system according to claim 31, wherein the first component module is  
2 further operable to store assets of the component for export as an export file.

1 34. The system according to claim 31, wherein the first component module is  
2 further operable to construct the non-file assets as an extensible markup language  
3 fragment with a predetermined structure.

1 35. The system according to claim 34, wherein the second deployment manager  
2 further includes a second component module operable to parse the extensible  
3 markup language fragment.

1 36. The system according to claim 34, wherein the second component module is  
2 further operable to instantiate the non-file assets.

1 37. The system according to claim 30, wherein the second component module is  
2 further operable to extract the assets of the component from the export file to a  
3 plurality of location on the system at the remote location.

1 38. The system according to claim 30, wherein the non-file assets include at least  
2 one of: a permissions object, a user preference object, a settings object, a menu  
3 object, and a user group object.

1 39. A system for exporting components of a site to a system at a remote location in a  
2 portal framework comprising:  
3 a component module operable to:  
4 collect the assets of a component of a site for export as an export file;  
5 query a local system to identify the component designated for export;  
6 construct at least some of the assets as an extensible markup language  
7 fragment with a predetermined structure; and  
8 storing the assets of the designated component.

1 40. The system according to claim 39, wherein the assets include file assets and  
2 non-file assets configured to operate on the system at a remote location.

1 41. The method according to claim 39, further comprising means for transferring the  
2 export file to the system at the remote location.

1 42. The system according to claim 39, where the at least some of the assets are non-  
2 file assets including at least one of: a permissions object, a user preference object, a  
3 settings object, a menu object, and a user group object.

1 43. A system for importing components of a site from a system at a remote location  
2 in a portal framework comprising:

3 a component module operable to:

4 extract assets of a component from an export file;

5 parse an extensible markup language fragment including at least some of the  
6 assets;

7 instantiating the non-file assets; and

8 store the assets of the component to on a local system.

1 44. The system according to claim 43, wherein the assets include file assets and  
2 non-file assets configured to operate on the system at the remote location.

1 45. The system according to claim 43, further comprising means for transferring the  
2 export file from the system at the remote location.

- 1 46. The method according to claim 43, where the at least some of the assets are non-
- 2 file assets including at least one of: a permissions object, a user preference object, a
- 3 settings object, a menu object, and a user group object.